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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br>1021.2009-005                           |
| INTERNATIONAL APPLICATION NO.<br>PCT/US2004/023889   |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/566405</b> |
| INTERNATIONAL FILING DATE<br>23 July 2004 (23.07.2004)   | EARLIEST PRIORITY DATE CLAIMED<br>25 July 2003 (25.07.2003) |   |
| TITLE OF INVENTION<br>Electrochemical Preferential Oxidation of Carbon Monoxide from Reformate   |   |   |
| APPLICANT(S) FOR DO/EO/US<br>Ravindra Datta and Jingxin Zhang  |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |   |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p style="margin-left: 20px;"><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment (12 pgs)</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:</li> </ol> |   |   |

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| U.S. APPLICATION NO. <b>10/566495</b><br><small>(known as 37 CFR 1.53)</small> |  | INTERNATIONAL APPLICATION NO.<br><b>PCT/US2004/023889</b> |  | ATTORNEY'S DOCKET NUMBER<br>1021.2009-005 |  |
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| The following fees have been submitted  |  |   |              | CALCULATIONS           | PTO USE ONLY |
|---|--|---|--------------|------------------------|--------------|
| 21.   | <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) |   | <b>\$300</b> | \$300                  |              |
| 22.   | <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))    |   |              |                        |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)  |  |   |              |                        |              |
| PCT Article 33(1)-(4)   |  |   |              | \$0                    |              |
| All other situations  |  |   |              | \$200                  |              |
| 23.   | <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))         |   |              |                        |              |
| If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)   |  |   |              |                        |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority   |  |   |              | \$0                    |              |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB  |  |   |              | \$100                  |              |
| All other situations  |  |   |              | \$400                  |              |
| All other situations  |  |   |              | \$500                  |              |
| <b>TOTAL OF 21, 22 and 23 =</b>   |  |   |              | \$500                  |              |
|   |  |   |              | \$1,000                |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |  |   |              |                        |              |
| Total Sheets  | Extra sheets   | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE         |                        |              |
| 47 - 100 =  | 0 / 50 =   |   | x \$250      | \$0                    |              |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |  |   |              | \$                     |              |
| CLAIMS  | NUMBER FILED   | NUMBER EXTRA  | RATE         |                        |              |
| Total claims  | 49 - 20 =  | 29  | x \$50       | \$1,450                |              |
| Independent claims  | 3 - 3 =  | 0   | x \$200      | \$0                    |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |  |   | + \$360      | \$                     |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |  |   |              | \$2,450                |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |  |   |              | \$                     |              |
| <b>SUBTOTAL =</b>   |  |   |              | \$2,450                |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).   |  |   |              | +                      | \$           |
| <b>TOTAL NATIONAL FEE =</b>   |  |   |              | \$2,450                |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |  |   |              | +                      | \$           |
| <b>TOTAL FEES ENCLOSED =</b>  |  |   |              | \$2,450                |              |
|   |  |   |              | Amount to be refunded: | \$           |
|   |  |   |              | Amount to be charged:  | \$           |

U S APPLICATION NO. (if known, see 37 CFR 1.5)

10/566405

INTERNATIONAL APPLICATION NO.

PCT/US2004/023889

ATTORNEY'S DOCKET NUMBER

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- a ☒ A check in the amount of \$2,450.00 to cover the above fees is enclosed.
- b ☐ Please charge my Deposit Account No. 08-0380 in the amount of \$[ ] to cover the above fees. A duplicate copy of this sheet is enclosed.
- c ☒ The Commissioner is hereby authorized to charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

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SIGNATURE

N. Scott Pierce

NAME

34,900

REGISTRATION NUMBER

10/566405

PATENT APPLICATION  
Docket No.: 1021.2009-005

IAP20 Rec'd PCT/PTO 25 JAN 2006

IN THE UNITED STATES RECEIVING OFFICE (RO/US)  
Designated/Elected Office (DO/EO/US)

U.S. National Stage of

International Application No.: PCT/US2004/023889

International Filing Date: 23 July 2004

Earliest Priority Date Claimed: 25 July 2003

Applicants: Ravindra Datta and Jingxin Zhang

Title: Electrochemical Preferential Oxidation of Carbon Monoxide  
From Reformate

Attorney's Docket No.: 1021.2009-005

Date: 25 JANUARY 2006

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